

GenCore version 4.5  
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OM nucleic - nucleic search, using sw model

Run on: March 15, 2002, 03:23:09 ; Search time 72.94 Seconds  
(without alignments)  
13646.433 Million cell updates/sec

Title: US-09-652-292-1  
Perfect score: 4395  
Sequence: 1 gagggggcttcgtccagcc.....attattgttaaaaaaaaaa 4395

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 351203 seqs, 113238999 residues

Total number of hits satisfying chosen parameters: 702406

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued\_Patents.NA.\*  
1: /cgn2\_6/ptodata/2/lna/5A\_COMB.seq.\*  
2: /cgn2\_6/ptodata/2/lna/5B\_COMB.seq.\*  
3: /cgn2\_6/ptodata/2/lna/6A\_COMB.seq.\*  
4: /cgn2\_6/ptodata/2/lna/6B\_COMB.seq.\*  
5: /cgn2\_6/ptodata/2/lna/PTUS\_COMB.seq.\*  
6: /cgn2\_6/ptodata/2/lna/backfiles1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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C 2	176	4.0	22481	5	PCT-US95-07201-43
C 3	175.8	4.0	87350	3	US-08-781-891-79
C 4	174.8	4.0	302	2	US-08-849-701-3
C 5	174.6	4.0	35060	3	US-08-814-095-7
C 6	174.2	4.0	7720	4	US-09-318-448-5
C 7	173.6	3.9	246240	2	US-08-724-394A-20
C 8	173.6	3.9	246240	2	US-08-724-394A-21
C 9	173.6	3.9	246240	2	US-08-724-394A-22
C 10	173.2	3.9	9837	1	US-08-832-883-68
C 11	173.2	3.9	9837	4	US-08-832-877-68
C 12	172.8	3.9	36741	4	US-09-301-665-3
C 13	171.6	3.9	2115	1	US-08-395-800A-7
C 14	171.4	3.9	6769	1	US-08-480-784-20
C 15	171.4	3.9	6769	1	US-08-483-553-20
C 16	171.4	3.9	6769	1	US-08-487-002-20
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C 18	171.4	3.9	6769	1	US-08-488-011B-20
C 19	171.4	3.9	6769	1	US-08-850-727-20
C 20	171.4	3.9	6769	5	PCT-US95-10203-20
C 21	171.4	3.9	6769	5	PCT-US95-10220-20
C 22	171.4	3.9	6769	5	PCT-US95-10220-20
C 23	171.2	3.9	246240	2	US-08-724-394A-20
C 24	171.2	3.9	246240	2	US-08-724-394A-21
C 25	171.2	3.9	246240	2	US-08-724-394A-22
C 26	170.6	3.9	6669	3	US-09-212-971-5
C 27	170.6	3.9	6669	3	US-08-800-929A-5

28	170.6	3.9	6669	4	US-09-617-053A-5	Sequence 5, Appl
C 29	170.6	3.9	87350	3	US-08-781-891-79	Sequence 79, Appl
C 30	170.2	3.9	2127	1	US-08-832-883-54	Sequence 54, Appl
C 31	170.2	3.9	2127	2	US-08-832-877-54	Sequence 54, Appl
C 32	170.2	3.9	11811	4	US-09-078-294-7	Sequence 7, Appl
C 33	170	3.9	4421	2	US-08-257-963B-9	Sequence 9, Appl
C 34	170	3.9	4421	5	PCT-US95-07201-9	Sequence 9, Appl
C 35	169.8	3.9	2995	1	US-08-592-126-85	Sequence 85, Appl
C 36	169.6	3.9	4823	2	US-08-457-254-5	Sequence 5, Appl
C 37	169.6	3.9	4823	2	US-08-484-257-20	Sequence 20, Appl
C 38	169.6	3.9	4823	3	US-08-999-927-5	Sequence 5, Appl
C 39	169.6	3.9	4823	5	PCT-US94-08806-28	Sequence 28, Appl
C 40	169.6	3.9	4823	5	PCT-US95-01829-5	Sequence 5, Appl
C 41	169.6	3.9	4823	5	PCT-US95-16626-5	Sequence 5, Appl
C 42	169.2	3.8	7210	2	US-08-257-963B-10	Sequence 10, Appl
C 43	169.2	3.8	7210	5	PCT-US95-07201-10	Sequence 10, Appl
C 44	169.2	3.8	10380	4	US-09-077-354B-3	Sequence 3, Appl
C 45	169.2	3.8	22481	5	PCT-US95-07201-43	Sequence 43, Appl

## ALIGNMENTS

RESULT 1  
US-08-133-629-8/c  
: Sequence 8, Application US/08133629  
: Patent No. 5597694  
: GENERAL INFORMATION:  
: APPLICANT: Munroe, David J.  
: APPLICANT: Housman, David E.  
: TITLE OF INVENTION: AMPLIFICATION OF NUCLEIC ACIDS  
: NUMBER OF SEQUENCES: 8  
: CORRESPONDENCE ADDRESS:  
: ADDRESSEE: Wolf, Greenfield & Sacks, P.C.  
: STREET: 600 Atlantic Avenue  
: CITY: Boston  
: STATE: Massachusetts  
: COUNTRY: United States of America  
: ZIP: 02210  
: COMPUTER READABLE FORM:  
: MEDIUM TYPE: Floppy disk  
: COMPUTER: IBM PC compatible  
: OPERATING SYSTEM: PC-DOS/MS-DOS  
: SOFTWARE: Patentin Release #1.0, Version #1.25  
: CURRENT APPLICATION DATA:  
: APPLICATION NUMBER: US/08/133,629  
: FILING DATE: 07-OCT-1993  
: CLASSIFICATION: 435  
: ATTORNEY/AGENT INFORMATION:  
: NAME: Greer, Helen  
: REGISTRATION NUMBER: 36,816  
: REFERENCE/DOCKET NUMBER: M0828/7001  
: TELECOMMUNICATION INFORMATION:  
: TELEPHONE: 617-720-3500  
: TELEFAX: 617-720-2441  
: TELEX: 92-1742 EZEKIEL  
: INFORMATION FOR SEQ ID NO: 8:  
: SEQUENCE CHARACTERISTICS:  
: LENGTH: 282 base pairs  
: TYPE: nucleic acid  
: STRANDEDNESS: single  
: TOPOLOGY: linear  
: US-08-133-629-8

Query Match 4.0% Score 177; DB 1; Length 282;  
Best Local Similarity 84.3%; Pred. No. 4.5e-32;  
Matches 220; Conservative 6; Mismatches 21; Indels 14; Gaps 2;  
Qy 2347 gaggtgagctcattctgttgcagcc-----tgacctgacttggtcactg 2396  
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		Best Local Similarity	80.1%;	Pred. No. 7.3e-31;		
		Matches 237;	Conservative 0;	Mismatches 45;	Indels 14;	Gaps
QY	2312	agtctcttttttttactcttataoatttttttttttttgagtgagctcattctgttgccc	2371			
Db	9493	ATTCTACATTTTTTTTTTCTCTTTTTTTTTTTTTTTTGATGGAGCTCTGTGCTCTGTTGCC	9552			
QY	2372	agcctggcct-----gatcttgctcactgcacccctccactccctggattcaagc	2421			
Db	9553	AGCCTGGAGTCAGTGGCGCGGATCTCACGTCAGTGCACACCTCCCACTTCCFHGGATTCAAGT	9612			
QY	2422	gattctctgtcctcagcctcctaagtagctgggattacaggcgcggtgccaccacacccag	2481			
Db	9613	GATTCTCTGCTTAGCCCTCCCAAGTAGCTGGGATTACAGGCAATGCGCCACACACCCGG	9672			
QY	2482	ctaatt---tatitttagcagaatggggtttcacgtgttgaccagcgtgactgtaa	2537			
Db	9673	CTAAATTTTGTGATTTTTAGTAGAGATGGGGTTCCTCCATGTTGCCACAGGATGGTCTCAAA	9732			
QY	2538	ctctcgactcaagtgatccaccacctcagcctcccagagtgctaggattacag	2593			
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RESULT      3
US-08-781-891-79
: Sequence 79, Application US/08781891
: Patent No. 6090620
: GENERAL INFORMATION:
: APPLICANT: Fu, Ying-Hui
: APPLICANT: Yu, Chang-En
: APPLICANT: Oshima, Junko
: APPLICANT: Mulligan, John T.
: APPLICANT: Schellenberg, Gerald D.
: TITLE OF INVENTION: GENE AND GENE PRODUCTS RELATED TO
: TITLE OF INVENTION: WERNER'S SYNDROME
: NUMBER OF SEQUENCES: 209
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: SEED AND BERRY LLP
: STREET: 6300 Columbia Center, 701 Fifth Avenue
: CITY: Seattle
: STATE: Washington
: COUNTRY: USA
: ZIP: 98104-7092
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patent In Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/781,891
: FILING DATE: 27-DEC-1996
: CLASSIFICATION: 800
: ATTORNEY/AGENT INFORMATION:
: NAME: NO. 6090620tenburg Ph.D., Carol
: REGISTRATION NUMBER: 39,317
: REFERENCE/DOCKET NUMBER: 240052.419
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (206) 622-4900
: TELEFAX: (206) 682-6031
: INFORMATION FOR SEQ ID NO: 79:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 87350 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
US-08-781-891-79

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	Query Match	4.0%;	Score 174.8;	DB 2;	Length 302;
	Best Local Similarity	82.1%;	Pred. No. 1.5e-31;		
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QY	2327	tcttatcatttttttttggagtgagtcctacatttgtgtgccaggcg-----	2377		
Db	300	TTTTCTTTTTTTTTTTTGGATGCAATCTCACTCTGTGTGCCACGGTCGGGTACAGTA	241		
QY	2378	gcctgatcttggctccactgcaacctccaactcctctggatcttaagcagattctcctgcctcag	2437		
Db	240	GCATGATCTCGGCTCAGTCAACTCTGCGCTCTTAGGGTTTCAAGTGATTCTCTCCCTCAG	181		
QY	2438	cctcctaagttagctgggattaccaggcgcgtgccaccacacaccagctaat----tatattt	2493		
Db	180	CCTCCTGAGTAGCTGGGGTTTACAGTGCGTGCCACCAGCCCTGCCTAATTTTGTATTATT	121		
QY	2494	tagcacagatggggtttccactgltatggccaggctgctgaectcctcagctcagaagtg	2553		
Db	120	TAGTAGAGATGGGGTTTTCACCATGTTGGTCAAGCTGGCTTTGAACCTCCTCACGTCAAGTT	61		
QY	2554	atcacccacctcagcctcccagtgctaggattacagg	2593		
Db	60	ATCACCCACCTCAGCCTCGGAAAGTATTGGGATTACAG	21		

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RESULT      5
US-08-814-095-7/c
: Sequence 7, Application US/08814095
: Patent No. 6025183
: GENERAL INFORMATION:
: APPLICANT: Soreq, Hermona
: APPLICANT: Zakut, Haim
: APPLICANT: Shani, Moshe
: TITLE OF INVENTION: TRANSGENIC ANIMAL ASSAY SYSTEM FOR
: TITLE OF INVENTION: ANTI-CHOLINESTERASE SUBSTANCES
: NUMBER OF SEQUENCES: 7
: CORRESPONDENCE ADDRES:
: ADDRESSEE: KOHN & ASSOCIATES
: STREET: 30500 NO. 6025183thwestern Highway, Suite 410
: CITY: Farmington Hills
: STATE: Michigan
: COUNTRY: U.S.
: ZIP: 48334
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: OPERATING SYSTEM: IBM PC compatible
: SOFTWARE: Patent In Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/814,095
: FILING DATE:
: CLASSIFICATION: 800
: ATTORNEY/AGENT INFORMATION:
: NAME: Montgomery, Ilene N.
: REGISTRATION NUMBER: 38,972
: REFERENCE/DOCKET NUMBER: 2391.00066
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (248) 539-5050
: TELEFAX: (248) 539-5055
: INFORMATION FOR SEQ ID NO: 7:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 35060 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: double
: TOPOLOGY: linear
: MOLECULE TYPE: other nucleic acid
: DESCRIPTION: /desc = "Cosmid including ACHE
: DESCRIPTION: promotor, ACHE gene and ARS gene*"
: HYPOTHETICAL: NO
: ANTI-SENSE: NO
: ORIGINAL SOURCE:
: ORGANISM: Homo sapiens
: POSITION IN GENOME:

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ORIGINAL SOURCE:  
ORGANISM: Homo sapiens  
POSITION IN GENOME:



/ APPLICANT: Ruddy, David A.  
 / APPLICANT: Thomas, Winston  
 / APPLICANT: Tsuchihashi, Zenta  
 / APPLICANT: Wolff, Roger K.  
 / TITLE OF INVENTION: Megabase Transcript Map: No. 5872237el  
 / TITLE OF INVENTION: Sequences and Antibodies Thereto  
 / NUMBER OF SEQUENCES: 31  
 / CORRESPONDENCE ADDRESSES:  
 / ADDRESS: TOWNSEND and CREW LLP  
 / STREET: Two Embarcadero Center, 8th Floor  
 / CITY: San Francisco  
 / STATE: CA  
 / COUNTRY: USA  
 / ZIP: 94111-3834

SOFTWARE: PATENTIN Release #1.0, version #1.30  
CURRENT APPLICATION DATA:

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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/724, 394A
FILING DATE: 01-OCT-1996
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Fitts, Renee A.
REGISTRATION NUMBER: 35,136
REFERENCE/DOCKET NUMBER: 017957-000100
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
TELEFAX: 415-576-0300
INFORMATION FOR SEQ. ID NO.: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 246240 base pairs
TYPE: nucleic acid
STRANDEDNESS: not relevant
TOPOLOGY: not relevant
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1..246240
OTHER INFORMATION: /note= "HLA-H.CONTIG"
US-08-724-394A-20

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; LOCATION: 111-240240
; OTHER INFORMATION: /note= "HLA-H. CONTIG"
US-08-724-394A-20

Query Match          3.9%   Score 173.6;   DB 2;   Length 246240;
Best Local Similarity 75.9%   Pred. No. 9e-30;
Mismatch 246;   Conservative 64;   Indels 14;   Gaps 2;

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Query Match	3.9%	Score 173.6	DB 2	Length 246240
Best Local Similarity	75.9%	Pred. No. 9e-30		
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Qy 2344	tttaggttggaagtctctattctgtgccaggctgcctga-----tcttggctca	2393		
Db 2639	TTTGAACAGCTGTGCTCACCCCTCTGCCCGCAGGCTGGAGTGCAGTGTGGCTCA	2698		
Qy 2394	ctgcaacctccacttctcctgggttcgaagcattctctctcctcctcacttaagtctg	2453		
Db 2699	CTGCAATCCCCACAGTCCCGAGTTTCAAGGATTCTCCTGCCCTCAGCTCCCAAGCAGTGG	2758		
Qy 2454	gattacagcgcgctgccaccacacaccacacttaatt---tattttagcagagatggggtt	2509		
Db 2759	GATTACAGGTGCTGCCACCATGCCACGCTAATTTTGTATTTTATTTAGTAGACAGGGTT	2818		
Qy 2510	tcaactgtgtggcagagctggtcgtgaactcctgagctcgaagtgatecacccacactcagc	2569		
Db 2819	TCGCGCTGTTGGCCAGGCTGGTCTCGAACTCCTGACCTCAAGTGATCTACCCGCCCTCGCG	2878		
Qy 2570	ctccagagctgctaggattacagg	2593		
Db 2879	CTCCCAAAGTGTGGGATTTACAGG	2902		

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Db	2819	TCGCCGTGTTGGCCAGGCTGGTCTCGAACTCTCGACCTCAAGTGATCTACCCGCTGGC	2878
Qy	2570	ctccagagtgctaggattacagg	2593
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## RESULT 8

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US-08-724-394A-21
: Sequence 21, Application US/08724394A
: Patent No. 5872237
: GENERAL INFORMATION:
: APPLICANT: Feder, John N.
: APPLICANT: Kronmal, Gregory S.
: APPLICANT: Laufer, Peter M.
: APPLICANT: Ruddy, David A.
: APPLICANT: Thomas, Winston
: APPLICANT: Tsuchihashi, Zenta
: APPLICANT: Wolff, Roger K.
: TITLE OF INVENTION: Megabase Transcript Map: No. 5872237rel
: TITLE OF INVENTION: Sequences and Antibodies Thereto
: NUMBER OF SEQUENCES: 31
: CORRESPONDENCE ADDRESS:
:

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3      COMPUTER READABLE FORM:
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5      MEDIUM TYPE: Floppy disk
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7      COMPUTER: IBM PC compatible
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9      OPERATING SYSTEM: PC-DOS/MS-DOS
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11     SOFTWARE: PatentIn Release #1.0, Version #1.30
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13     CURRENT APPLICATION DATA:
14
15     APPLICATION NUMBER: US/08/724,394A
16
17     FILING DATE: 01-OCT-1996
18
19     CLASSIFICATION: 536
20
21     ATTORNEY/AGENT INFORMATION:
22
23     NAME: FITTS, Renee A.
24
25     REGISTRATION NUMBER: 35,136
26
27     REFERENCE/DOCKET NUMBER: 017957-000100
28
29     TELECOMMUNICATION INFORMATION:
30
31     TELEPHONE: 415-576-0200
32
33     TELEFAX: 415-576-0300
34
35     INFORMATION FOR SEQ ID NO: 21:
36
37     SEQUENCE CHARACTERISTICS:
38
39     LENGTH: 246240 base pairs
40
41     TYPE: nucleic acid
42
43     STRANDEDNESS: not relevant
44
45     TOPOLOGY: not relevant
46
47     MOLECULE TYPE: cDNA
48
49     FEATURE:
50
51     NAME/KEY: miscfeature
52
53     LOCATION: 1..246240
54
55     OTHER INFORMATION: /note= "HLA-H.CONTIG"
56
57     US-08-724-394A-21

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Query Match	3.9%;	Score 173.6;	DB 2;	Length 246240;
Best Local Similarity	75.9%;	Pred. NO. 9e-30;		
Matches 246;	Conservative	0;	Mismatches 64;	Indels 14; Gaps 2;
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2579	ACTCATTACAGAGTAAGACAGAGGGGTTCATTTTTTATTTTATTTTATTTTATTT	2638		
2344	tttgagggtgaggtctcattctgttgcacaggctggcctga-----tcttgggtcca	2393		
2639	TTTGAGACGGTGTGTCACCCCTGTGCCCCAGGCTGGAGTGCAGTGTGCAGTCTTGGCTCA	2698		
2394	ctgcaacctccactctcctgggttcaagcgattctcctgcctcagcctcctcaagtagctgg	2453		
2699	CTGCAATCCGCCAGTCCCAAGTTCAAACGATTCTCCTGCCTCAGTCTCCCAAGCAGCTGG	2758		
2454	gattacagcggcgtgccaccacacacagctaatt-----tatttttagcagagatgggggtt	2509		
2759	GATTACAGGTGCCGTGCCACCATGCCACGCTAATTTTTTGTATTTTTTAGTAGACAGGGTT	2818		
2510	tcaactgtgtggccaggctgtgtctgtgaactcctgcagctcaagtagtatccaccacctcagc	2569		

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QY	2570	ctcccagagtctaggattacagg	2593
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## RESULT

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US-08-724-394A-22
; Sequence 22, Application US/08724394A
; Patent No. 5872237
; GENERAL INFORMATION:
; APPLICANT: Feder, John N.
; APPLICANT: Kronmal, Gregory S.
; APPLICANT: Laufer, Peter W.
; APPLICANT: Ruddy, David A.
; APPLICANT: Thomas, Winston
; APPLICANT: Tsuchihashi, Zenta
; APPLICANT: Wolff, Roger K.
; TITLE OF INVENTION: Megabase Transcript Map: No. 5872237rel
; TITLE OF INVENTION: Sequences and Antibodies Thereeto
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/724,394A
; FILING DATE: 01-OCT-1996
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Fitts, Renee A.
; REGISTRATION NUMBER: 35,136
; REFERENCE/DOCKET NUMBER: 017957-000100
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-576-0200
; TELEFAX: 415-576-0300
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 246240 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: not relevant
; TOPOLOGY: not relevant
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1..246240
; OTHER INFORMATION: /note= "HLA-H.CONFIG"
US-08-724-394A-22

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	Query Match	3.9%;	Score 173.6;	DB 2;	Length 246240;
	Best Local Similarity	75.9%;	Pred. No. 9e-30;		
	Matches 246;	Conservative 0;	Mismatches 64;	Indels 14;	Gaps 2;
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2579	ACTCATTGAGAGAGTAAAGACAGAGAGGGGTCAATTTTATTTATTTATTTATTT				2638
2344	tttgagtgaggctcatctctgtgtccaggctggcctga-----tccttagctca				2393
2639	TTTGAGAGGTTGTCTCACCTGTGCGCCAGGCTGGAGTGCAGTGTGGCATCTTGGCTA				2698
2394	ctgcaacctccacttcctgggttcaagcgaattctctgcctcagcctcctcaagtagctgg				2453

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Qy 2454 gattacaggcgctgcccacacacccagctaatt-----tatttttagcagagatggggtt 2509  
Db 2759 GATTACAGGTCCTGCGCCACCATGCCAGCTAAATTTTGTATTTTACTAGACAGAGGTT 2818  
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Qy 2570 ctcccagagtgctaggattacagg 2593  
Db 2879 CTCCCAAGTGCTGGGATTACAGG 2902

RESULT 10  
US-08-832-883-68/c  
; Sequence 68, Application US/08832883  
; Patent No. 5807681  
; GENERAL INFORMATION:  
; APPLICANT: Giordano, Antonio  
; APPLICANT: Baldi, Alphonso  
; TITLE OF INVENTION: METHODS FOR THE DIAGNOSIS AND PROGNOSIS  
; TITLE OF INVENTION: OF CANCER  
; NUMBER OF SEQUENCES: 115  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: SEIDEL, GONDA, LAVORGNA & MONACO, P.C.  
; STREET: Suite 1800 Two Penn Center Plaza  
; CITY: Philadelphia  
; STATE: PA  
; COUNTRY: USA  
; ZIP: 19102  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/832.883  
; FILING DATE:  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Monaco, Daniel A  
; REGISTRATION NUMBER: 30,480  
; REFERENCE/DOCKET NUMBER: 8321-13 US1  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (215) 568-8383  
; TELEFAX: (215) 568-5549  
; INFORMATION FOR SEQ ID NO: 68:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 9837 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
US-08-832-883-68

Query Match 3.9% Score 173.2; DB 1; Length 9837;  
Best Local Similarity 82.4%; Pred. No. 2.1e-30;  
Matches 229; Conservative 0; Mismatches 33; Indels 16; Gaps 2;  
Qy 2335 ttttttttttttggagtgagctcattctgtgtccacaggctggcct-----gat 2384  
Db 2016 TTTTGTATTTTGTAGACAGAGCTCTGGCTCTGTTGCCACAGGCTGAGTCTAGTGGCAGCAT 1957  
Qy 2385 ctggctcaactgcacactccactcctgggttcaagcgatctcctcctcagcactccta 2444  
Db 1956 CTCGGCTCACTGCAACCTCGCCCTCTCTGGGTTCAAGCGATTCTCTGCTCAGCCTCTG 1897  
Qy 2445 agtagcgggattacaggcgcgtgcccacacacccagctaatt-----tatttttagca 2498  
Db 1896 AGTATCTGGGATTACAGGTGTGCGCCACCGCCAGCTAAATTTTGTATTTTAGCA 1837  
Qy 2499 gagatggggtttcactgtgttggccaggtggtcgtgaaactcctgagctcaagtgatcca 2558  
Db 1836 GAGATGGGTTTACCATTGTTGGCCAAAGCTGTTTGAACCTCTGACCTCAGGTGATCCA 1777

Db 1896 AGTATCTGGGATTACAGGTGTGCGCCACCGCCAGCTAAATTTTGTATTTTAGCA 1837  
Qy 2499 gagatggggtttcactgtgttggccaggtggtcgtgaaactcctgagctcaagtgatcca 2558  
Db 1836 GAGATGGGTTTACCATTGTTGGCCAAAGCTGTTTGAACCTCTGACCTCAGGTGATCCA 1777  
Qy 2559 cccacactcagcctcccagagtgctaggattacaggcct 2596  
Db 1776 CCCATTTCCGCGCTCCCAAGTGGTGGGATTACAGGCAT 1739  
RESULT 11  
US-08-832-877-68/c  
; Sequence 68, Application US/08832877  
; Patent No. 5840506  
; GENERAL INFORMATION:  
; APPLICANT: Giordano, Antonio  
; TITLE OF INVENTION: METHODS FOR THE DIAGNOSIS AND PROGNOSIS OF  
; TITLE OF INVENTION: CANCER  
; NUMBER OF SEQUENCES: 116  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: SEIDEL, GONDA, LAVORGNA & MONACO, P.C.  
; STREET: Suite 1800 Two Penn Center Plaza  
; CITY: Philadelphia  
; STATE: PA  
; COUNTRY: USA  
; ZIP: 19102  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/832.877  
; FILING DATE:  
; CLASSIFICATION: 436  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Monaco, Daniel A  
; REGISTRATION NUMBER: 30,480  
; REFERENCE/DOCKET NUMBER: 8321-13 US2  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (215) 568-8383  
; TELEFAX: (215) 568-5549  
; INFORMATION FOR SEQ ID NO: 68:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 9837 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
US-08-832-877-68

Query Match 3.9% Score 173.2; DB 2; Length 9837;  
Best Local Similarity 82.4%; Pred. No. 2.1e-30;  
Matches 229; Conservative 0; Mismatches 33; Indels 16; Gaps 2;  
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Db 2016 TTTTGTATTTTGTAGACAGAGCTCTGGCTCTGTTGCCACAGGCTGAGTCTAGTGGCAGCAT 1957  
Qy 2385 ctggctcaactgcacactccactcctgggttcaagcgatctcctcctcagcactccta 2444  
Db 1956 CTCGGCTCACTGCAACCTCGCCCTCTCTGGGTTCAAGCGATTCTCTGCTCAGCCTCTG 1897  
Qy 2445 agtagcgggattacaggcgcgtgcccacacacccagctaatt-----tatttttagca 2498  
Db 1896 AGTATCTGGGATTACAGGTGTGCGCCACCGCCAGCTAAATTTTGTATTTTAGCA 1837  
Qy 2499 gagatggggtttcactgtgttggccaggtggtcgtgaaactcctgagctcaagtgatcca 2558  
Db 1836 GAGATGGGTTTACCATTGTTGGCCAAAGCTGTTTGAACCTCTGACCTCAGGTGATCCA 1777

Qy	2559	ccacccctcagcctcccagagtgtctaggattacaggcct	2596
Db	1776	CCCATTCGGCCTCCCAAGTGGTGGGATTACAGGCAT	1739

RESULT 12

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US-09-301-665-3
: Sequence 3, Application US/09301665
: Patent No. 6207876
: GENERAL INFORMATION:
: APPLICANT: KELLEMS, RODNEY E.
: APPLICANT: DATTA, SURJIT K.
: APPLICANT: BLACKBURN, MICHAEL R.
: TITLE OF INVENTION: ADENOSINE DEAMINASE DEFICIENT TRANSGENIC MICE AND
: TITLE OF INVENTION: METHODS FOR THE USE THEREOF
: FILE REFERENCE: UTS#243
: CURRENT APPLICATION NUMBER: US/09/301.665
: CURRENT FILING DATE: 1999-04-28
: EARLIER APPLICATION NUMBER: 60/083,408
: EARLIER FILING DATE: 1998-04-29
: EARLIER APPLICATION NUMBER: 60/083,370
: EARLIER FILING DATE: 1998-04-28
: NUMBER OF SEQ ID NOS: 4
: SOFTWARE: Patentin Ver. 2.0
: SEQ ID NO 3
: LENGTH: 36741
: TYPE: DNA
: ORGANISM: Homo sapiens
US-09-301-665-3

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Query Match	3.98;	Score 172.8;	DB 4;	Length 36741;
Best Local Similarity	84.8%;	Pred. No. 5.2e-30;		
Matches 234;	Conservative 0;	Mismatches 27;	Indels 15;	Gaps 3;
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Db				
QY 2360	ttttttcttttgatagatcttgcctgtcgccaggctggagtcgagtgcatgat	19668		
Db				
QY 2385	cttggtctcactgcacctccactctctctgggttcacgcatctctgcctcagcctccta	2444		
Db				
QY 2386	ctcggtcactgcacactccacactctctgggttcacagtgattctctgcctcagcctctg	19728		
Db				
QY 2445	agtagctgggattacaggcggtgccaccaccccagctaaatt---tattttttagcaga	2500		
Db				
QY 19729	agtagctgggattacaggcatgcccaccacatccagctcaattttgttattttttagcaga	19788		
Db				
QY 2501	gatggggtttcaactgtgttgccaggcggtgctgaactcctgagctcaagtatccacc	2560		
Db				
QY 19789	gatggggtttcac-atgttgccaggctggtctcgaactcctgcactcaagtgtatccacc	19847		
Db				
QY 2561	cacctcagcctcccagagtgtaggtattacaggcct	2596		
Db				
QY 19848	cagctctggctctccacacagtgctggattacagcat	19883		
Db				

## RESULT

US-08-395-800A-7/c  
: Sequence 7, Application US/08395800A  
: Patent No. 5807732  
: GENERAL INFORMATION:  
: APPLICANT: LOWE, JOHN B  
: APPLICANT: LENNON, GREGORY  
: APPLICANT: ROQUETIER, SYLVIE  
: APPLICANT: GIORGI, DOMINIQUE  
: APPLICANT: KELLY, ROBERT J  
: TITLE OF INVENTION: GDP-L-FUCOSE: BETA-D-GALACTOSIDE  
: TITLE OF INVENTION: 2-ALPHA-L-FUCOSYLTRANSFERASES, DNA SEQUENCES ENCODING THE  
: TITLE OF INVENTION: SAME, METHOD FOR PRODUCING THE SAME AND A METHOD OF  
: TITLE OF INVENTION: GENOTYPING A PERSON  
: NUMBER OF SEQUENCES: 22  
: CORRESPONDENCE ADDRESS:  
: ADDRESSEE: OBION, SPIVAK, MCCLELLAND, MAIER & NEUSTADT

STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400  
CITY: ARLINGTON  
STATE: VIRGINIA  
COUNTRY: USA  
ZIP: 22202  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/395,800A  
FILING DATE: 28-FEB-1995  
CLASSIFICATION: 435  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703) 413-3000  
TELEFAX: (703) 413-2220  
TELEX: 248955 OPAT UR  
INFORMATION FOR SEQ ID NO: 7:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 2115 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 64..1092  
US-08-395-800A-7

Query Match	3.9%	Score 171.6;	DB 1;	Length 2115;
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Qy 2439	ctcttaagtctgggattacaggcgctgctgcacccacccagctgaatt----tattttt	2494		
Db 1426	CTCCCGAGTAGCTGGGATTACAAGTGTGCACACCACCGCTGGCTAATTTTGTATTTTT	1367		
Qy 2495	agcagagatggggtttcaactgtttgtgcgaagctggctgtgaactctctgactcaagtga	2554		
Db 1366	AGTCGAGATGGGGTTTTCACCATGTTGGCCAGGCTAGTCTTTGAACTCTCGACCTCAAGTGA	1307		
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Db 1306	TCCACCCACCGCTGGCTGCCCAAAAGTGGGAGCATTTACAGGCAT	1265		

RESULT 14

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US-08-480-784-20
; Sequence 20, Application US/08480784
; Patent No. 5693473
; GENERAL INFORMATION:
; APPLICANT: Skolnick, Mark H.
; APPLICANT: Goldgar, David E.
; APPLICANT: Miki, Yoshio
; APPLICANT: Swenson, Jeff
; APPLICANT: Kamb, Alexander
; APPLICANT: Harshman, Keith D.
; APPLICANT: Shattuck-Eidens, Donna M.
; APPLICANT: Tavtiglian, Sean V.
; APPLICANT: Wiseman, Roger W.
; APPLICANT: Futreal, P. Andrew
; TITLE OF INVENTION: 17q-Linked Breast and Ovarian Cancer
; TITLE OF INVENTION: Susceptibility Gene

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Search completed: March 15, 2002, 05:36:02  
Job time: 7973 sec